

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

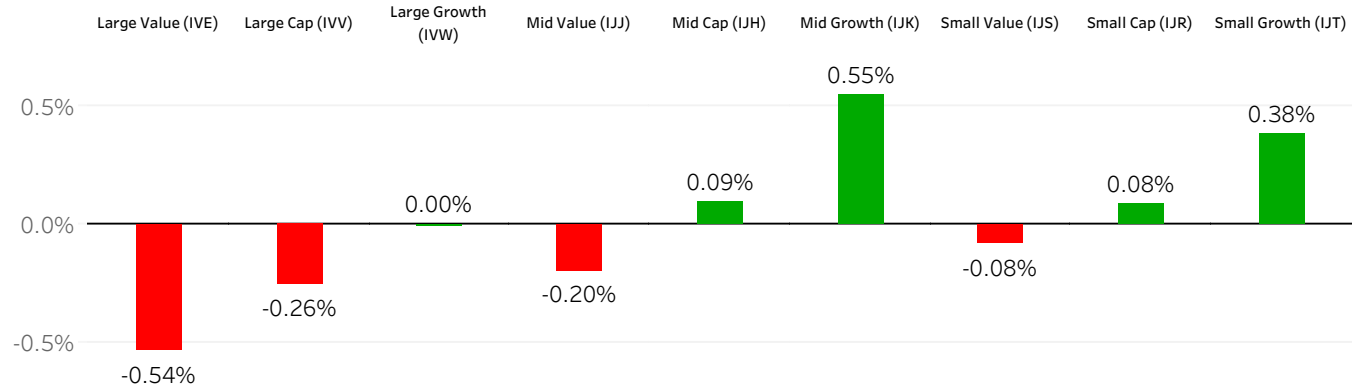


Small Cap Blend (S&P 600) IJR



■ Closing Price
 ■ 50 Day Moving Average
 ■ 200 Day Moving Average

U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
QVAL	Alpha Architect U.S. Quantitative Value ETF	2.51%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	1.80%
IPO	Renaissance IPO ETF	1.52%
DWAS	Invesco DWA SmallCap Momentum ETF	1.41%
BUZZ	VanEck Social Sentiment ETF	1.23%
CALF	Pacer US Small Cap Cash Cows 100 ETF	1.19%
RFG	Invesco S&P Midcap 400 Pure Growth ETF	1.15%
FCTR	First Trust Lunt U.S. Factor Rotation ETF	1.12%
FFTY	Innovator IBD 50 ETF	1.09%
AIEQ	AI Powered Equity ETF	1.07%

Size & Style Most Overbought

Ticker	Fund	Value
PTLC	Pacer Trendpilot US Large Cap ETF	69.13
SPC	CrossingBridge Pre-Merger SPAC ETF	54.14
LSAT	Leadershares Alphafactor Tactical Focused ETF	50.99
ONOF	Global X Adaptive U.S. Risk Management ETF	43.35
IPO	Renaissance IPO ETF	34.46
RPHS	Regents Park Hedged Market Strategy ETF	33.73
BUZZ	VanEck Social Sentiment ETF	32.89
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	32.27
PTNQ	Pacer Trendpilot 100 ETF	31.60
WINN	Harbor Long-Term Growers ETF	31.41

Size & Style 1-Day Performance Laggards

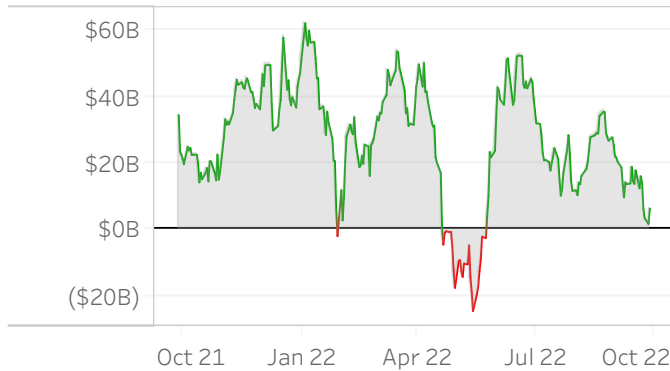
Ticker	Fund	1-Day Performance
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	-9.85%
ACSI	American Customer Satisfaction ETF	-6.87%
PABU	iShares Paris-Aligned Climate MSCI USA ETF	-5.67%
QVMS	Invesco S&P SmallCap 600 QVM Multi-factor ETF	-3.60%
OALC	OneAscent Large Cap Core ETF	-1.90%
XSLV	Invesco S&P SmallCap Low Volatility ETF	-1.56%
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	-1.35%
SIXL	ETC 6 Meridian Low Beta Equity ETF	-1.28%
SPLV	Invesco S&P 500 Low Volatility ETF	-1.25%
PEY	Invesco High Yield Equity Dividend Achievers ETF	-1.25%

Size & Style Most Oversold

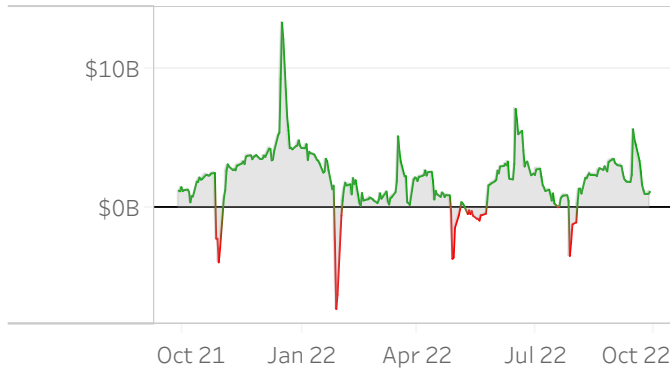
Ticker	Fund	Value
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	7.17
QVMS	Invesco S&P SmallCap 600 QVM Multi-factor ETF	7.23
USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity..	12.27
QVML	Invesco S&P 500 QVM Multi-factor ETF	19.40
DIV	Global X SuperDividend US ETF	20.16
DJD	Invesco Dow Jones Industrial Average Dividend ETF	20.29
CDC	VictoryShares US EQ Income Enhanced Volatility Wt..	20.58
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	20.67
XSLV	Invesco S&P SmallCap Low Volatility ETF	20.70
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	20.92

*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify

Large-Cap 30-Day Rolling Flows



Mid-Cap 30-Day Rolling Flows



Small-Cap 30-Day Rolling Flows



U.S. Size & Style Landscape Flows

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Large Cap, Beta Growth, Beta	25	\$1,116B	\$0.17B	\$17.33B	\$24.54B	\$109.90B
Large Cap, Beta Growth, Beta: Growth	10	\$207B	(\$0.20B)	\$4.80B	\$10.25B	\$14.31B
Large Cap, Beta Growth, Beta: Value	11	\$197B	\$0.27B	\$0.30B	\$4.72B	\$25.22B
Mid Cap, Beta, Beta	10	\$159B	\$0.04B	\$2.30B	\$4.66B	\$13.12B
Mid Cap, Beta, Beta: Growth	6	\$29B	(\$0.02B)	\$0.76B	\$0.94B	\$1.26B
Mid Cap, Beta, Beta: Value	6	\$36B	(\$0.01B)	\$0.35B	(\$0.19B)	\$1.47B
Small Cap, Beta, Beta	13	\$171B	\$0.69B	\$0.92B	(\$3.44B)	\$4.61B
Small Cap, Beta, Beta: Growth	7	\$28B	(\$0.10B)	(\$0.28B)	\$0.20B	\$1.04B
Small Cap, Beta, Beta: Value	7	\$44B	(\$0.03B)	(\$1.98B)	(\$2.94B)	(\$2.69B)

U.S. Size & Style Flow Leaders

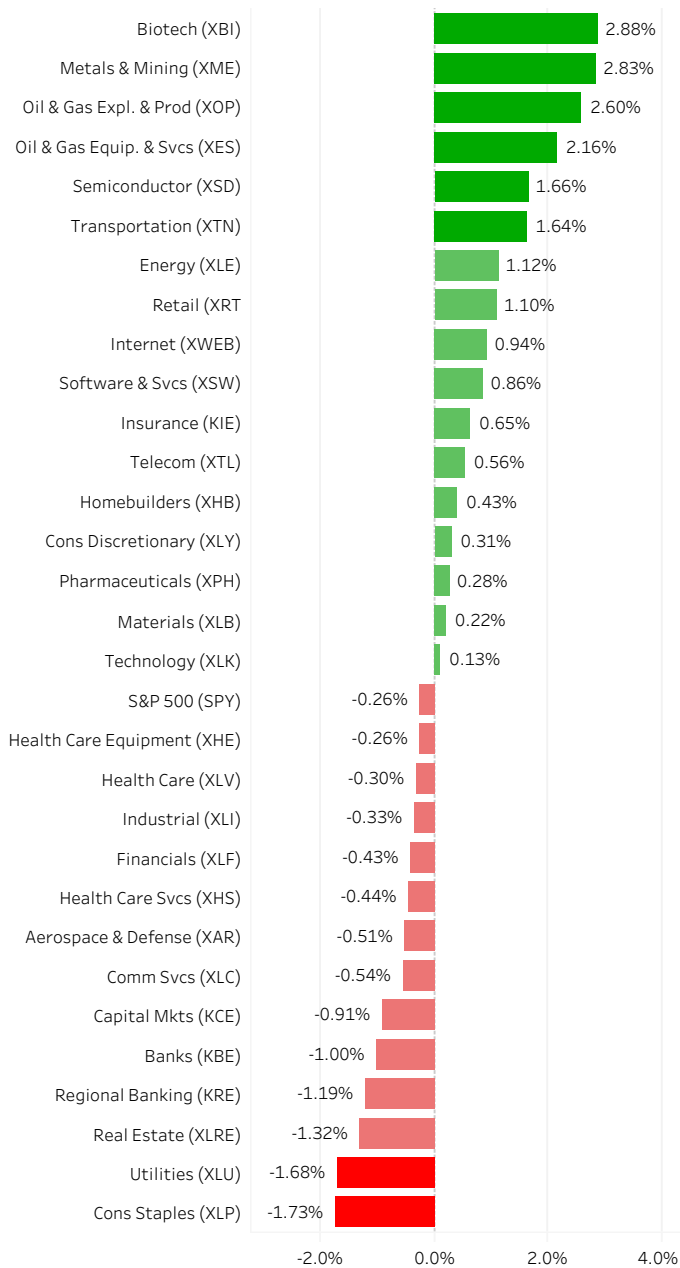
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$2.69B	(\$1.18B)	\$0.26B	\$5.50B	\$333.21B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	\$1.93B	\$0.87B	\$3.65B	\$5.91B	\$39.29B
VOO	Vanguard S&P 500 ETF	\$0.92B	\$11.03B	\$12.22B	\$43.47B	\$247.14B
SCHB	Schwab U.S. Broad Market ETF	\$0.55B	\$0.60B	\$0.95B	\$1.70B	\$19.16B
VTI	Vanguard Total Stock Market ETF	\$0.47B	\$6.34B	\$10.11B	\$32.14B	\$241.37B
SCHA	Schwab U.S. Small-Cap ETF	\$0.45B	\$0.17B	(\$0.47B)	\$0.42B	\$12.55B
IWM	iShares Russell 2000 ETF	\$0.41B	(\$1.74B)	(\$2.69B)	(\$4.88B)	\$47.84B
SCHD	Schwab US Dividend Equity ETF	\$0.38B	\$3.63B	\$7.05B	\$12.03B	\$35.51B
VYM	Vanguard High Dividend Yield Index ETF	\$0.27B	\$1.90B	\$5.12B	\$9.16B	\$43.23B
VTV	Vanguard Value ETF	\$0.14B	\$2.16B	\$5.33B	\$17.61B	\$91.40B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust	(\$3.35B)	(\$0.66B)	\$1.91B	\$12.30B	\$148.73B
IVV	iShares Core S&P 500 ETF	(\$0.26B)	\$4.61B	\$4.39B	\$35.06B	\$272.46B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.24B)	\$0.04B	\$0.17B	\$4.26B	\$27.82B
IJR	iShares Core S&P Small Cap ETF	(\$0.21B)	\$2.61B	\$0.55B	\$5.53B	\$59.92B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.18B)	\$2.13B	\$2.43B	\$1.99B	\$26.57B
VUG	Vanguard Growth ETF	(\$0.14B)	\$2.29B	\$5.07B	\$7.33B	\$67.75B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.11B)	(\$0.03B)	(\$0.36B)	\$0.98B	\$25.48B
IWO	iShares Russell 2000 Growth ETF	(\$0.09B)	(\$0.44B)	(\$0.39B)	\$0.40B	\$8.43B
IJS	iShares S&P Small-Cap 600 Value ETF	(\$0.09B)	(\$1.97B)	(\$1.03B)	(\$1.25B)	\$6.16B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.08B)	(\$0.27B)	(\$0.56B)	(\$0.80B)	\$16.16B

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S&P Sector & Industry 1 Day Performance



Select Sector SPDRs Technicals

Ticker	Fund Name	% From 52W High	% From 52W Low	% Abv/Below 50 SMA	% Abv/Below 200 SMA	RSI (14D)
XLU	Utilities Select Sector SPDR Fund	-11.87%	7.76%	-7.56%	-3.96%	26.40
XLV	Health Care Select Sector SPDR Fund	-15.15%	1.08%	-6.06%	-7.64%	32.52
XLP	Consumer Staples Select Sector SPDR Fund	-15.32%	0.00%	-7.42%	-8.67%	23.38
XLI	Industrial Select Sector SPDR Fund	-21.98%	0.00%	-10.81%	-13.32%	23.27
SPY	SPDR S&P 500 ETF Trust	-23.93%	0.00%	-9.66%	-13.49%	26.71
XLE	Energy Select Sector SPDR Fund	-24.66%	31.15%	-10.04%	-6.45%	30.91
XLB	Materials Select Sector SPDR Fund	-25.54%	0.22%	-11.40%	-17.58%	26.39
XLF	Financial Select Sector SPDR Fund	-26.53%	0.00%	-9.17%	-14.88%	26.46
XLK	Technology Select Sector SPDR Fund	-30.35%	0.13%	-11.27%	-15.52%	27.95
XLRE	Real Estate Select Sector SPDR Fund	-30.57%	0.00%	-15.17%	-19.70%	18.45
XLY	Consumer Discretionary Select Sector SPDR Fund	-30.68%	8.85%	-8.45%	-12.44%	33.52
XLC	Communication Services Select Sector SPDR Fund	-41.49%	0.00%	-13.00%	-23.34%	24.04

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XBI	SPDR S&P BIOTECH ETF	2.88%
PSCE	Invesco S&P SmallCap Energy ETF	2.87%
XME	SPDR S&P Metals & Mining ETF	2.83%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	2.60%
PXI	Invesco DWA Energy Momentum ETF	2.49%
PXE	Invesco Dynamic Energy Exploration & Production ..	2.17%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	2.16%
FTXN	First Trust Nasdaq Oil & Gas ETF	2.10%
MLPA	Global X MLP ETF	1.73%
XSD	SPDR S&P Semiconductor ETF	1.66%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XBI	SPDR S&P BIOTECH ETF	38.00
XSD	SPDR S&P Semiconductor ETF	36.11
PJP	Invesco Dynamic Pharmaceuticals ETF	35.74
QABA	First Trust NASDAQ ABA Community Bank Index Fund	35.04
PBE	Invesco Dynamic Biotechnology & Genome ETF	34.88
KBWR	Invesco KBW Regional Banking ETF	34.73
IBB	iShares Biotechnology ETF	34.40
XPH	SPDR S&P Pharmaceuticals ETF	33.90
XME	SPDR S&P Metals & Mining ETF	33.84
VCR	Vanguard Consumer Discretionary ETF	33.58

Sector & Industry 1 Day Performance Laggards

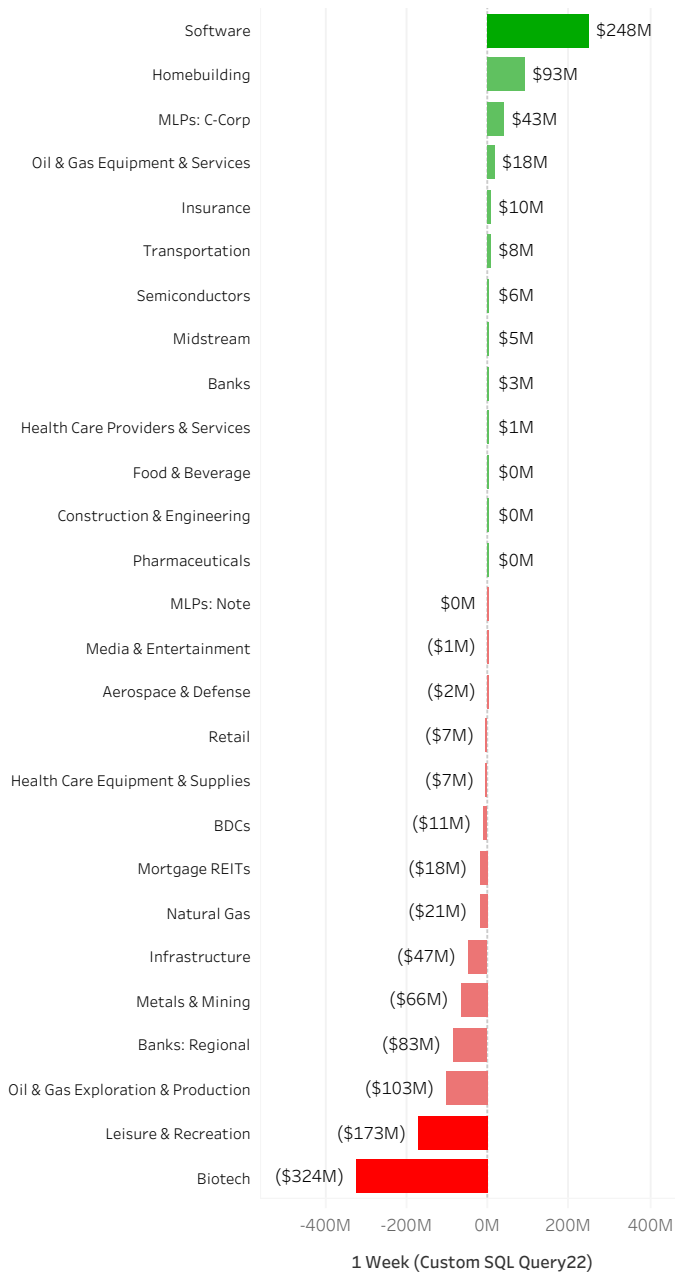
Ticker	Fund	1 Day Performance
REM	iShares Mortgage Real Estate ETF	-2.51%
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	-2.20%
MORT	VanEck Mortgage REIT Income ETF	-1.94%
VPU	Vanguard Utilities ETF	-1.85%
FXU	First Trust Utilities AlphaDEX Fund	-1.85%
RYU	Invesco S&P 500 Equal Weight Utilities ETF	-1.84%
FUTY	Fidelity MSCI Utilities Index ETF	-1.82%
KBWR	Invesco KBW Regional Banking ETF	-1.79%
VDC	Vanguard Consumer Staples ETF	-1.78%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	-1.78%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
REM	iShares Mortgage Real Estate ETF	14.23
KBWD	Invesco KBW High Dividend Yield Financial ETF	14.82
MORT	VanEck Mortgage REIT Income ETF	16.19
KBWY	Invesco KBW Premium Yield Equity REIT ETF	17.13
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	17.28
REZ	iShares Residential and Multisector Real Estate ETF	17.47
USRT	iShares Core U.S. REIT ETF	17.57
IYZ	iShares U.S. Telecommunications ETF	17.67
RWR	SPDR Dow Jones REIT ETF	17.67
VNQ	Vanguard Real Estate ETF	17.82

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U.S. Sector & Industry 1-Week Flows



U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	8	\$11B	(\$277M)	(\$477M)	(\$925M)	(\$2,258M)
Consumer Discretionary	13	\$22B	(\$133M)	(\$535M)	(\$2,698M)	(\$4,691M)
Consumer Staples	11	\$27B	(\$156M)	\$1,113M	\$3,674M	\$7,245M
Energy	34	\$65B	\$101M	(\$2,783M)	(\$5,387M)	\$722M
Financials	27	\$53B	(\$273M)	(\$1,297M)	(\$16,207M)	(\$9,717M)
Health Care	24	\$84B	(\$195M)	\$990M	\$4,509M	\$11,044M
Industrial	14	\$25B	(\$206M)	(\$981M)	(\$3,439M)	(\$3,884M)
Materials	10	\$12B	(\$187M)	(\$2,789M)	(\$2,973M)	(\$1,502M)
Multi-Sector	19	\$12B	(\$233M)	(\$1,586M)	(\$2,884M)	(\$4,808M)
Real Estate	25	\$58B	(\$165M)	(\$1,067M)	(\$2,656M)	(\$1,144M)
Technology	24	\$100B	(\$639M)	(\$1,772M)	(\$404M)	\$455M
Utilities	10	\$27B	(\$186M)	\$2,008M	\$4,544M	\$5,809M

U.S. Sector & Industry Flow Leaders

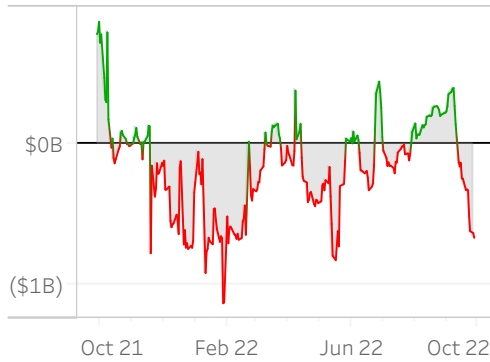
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IGV	iShares Expanded Tech-Software Sector ETF	\$250M	(\$564M)	\$68M	\$706M	\$3,947M
XLV	Health Care Select Sector SPDR Fund	\$239M	\$1,211M	\$3,937M	\$7,964M	\$36,640M
XLE	Energy Select Sector SPDR Fund	\$206M	(\$1,085M)	(\$2,022M)	(\$1,260M)	\$31,801M
IYR	iShares U.S. Real Estate ETF	\$146M	(\$101M)	(\$481M)	(\$2,622M)	\$3,821M
IYZ	iShares U.S. Telecommunications ETF	\$109M	\$131M	\$76M	\$178M	\$440M
ITB	iShares U.S. Home Construction ETF	\$105M	(\$103M)	(\$448M)	(\$677M)	\$1,169M
AMLP	Alerian MLP ETF	\$41M	(\$11M)	(\$31M)	\$630M	\$5,814M
USRT	iShares Core U.S. REIT ETF	\$35M	(\$26M)	(\$88M)	(\$104M)	\$1,863M
XES	SPDR S&P Oil & Gas Equipment & Services ETF	\$21M	(\$11M)	(\$21M)	\$92M	\$206M
IYG	iShares US Financial Services ETF	\$14M	(\$41M)	(\$573M)	(\$671M)	\$1,310M

U.S. Sector & Industry Flow Laggards

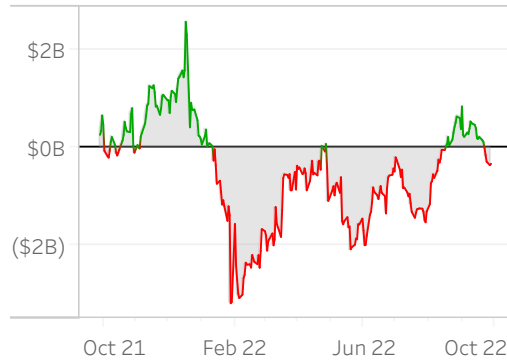
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VGT	Vanguard Information Technology ETF	(\$430M)	(\$616M)	\$801M	\$849M	\$38,624M
XLK	Technology Select Sector SPDR Fund	(\$404M)	\$188M	\$898M	\$2,160M	\$36,717M
XLC	Communication Services Select Sector SPDR Fu..	(\$264M)	(\$606M)	(\$749M)	(\$1,899M)	\$7,698M
VNQ	Vanguard Real Estate ETF	(\$233M)	(\$728M)	(\$2,060M)	\$156M	\$33,419M
XLI	Industrial Select Sector SPDR Fund	(\$199M)	(\$764M)	(\$1,783M)	(\$3,768M)	\$11,539M
XBI	SPDR S&P BIOTECH ETF	(\$178M)	(\$675M)	\$190M	\$2,518M	\$6,409M
PEJ	Invesco Dynamic Leisure & Entertainment ETF	(\$173M)	(\$461M)	(\$443M)	(\$352M)	\$588M
XLU	Utilities Select Sector SPDR Fund	(\$166M)	\$1,301M	\$3,097M	\$3,669M	\$16,719M
IBB	iShares Biotechnology ETF	(\$147M)	(\$184M)	(\$428M)	(\$162M)	\$7,293M
XLF	Financial Select Sector SPDR Fund	(\$142M)	(\$664M)	(\$10,311M)	(\$5,455M)	\$27,690M

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Communication Services



Consumer Discretionary



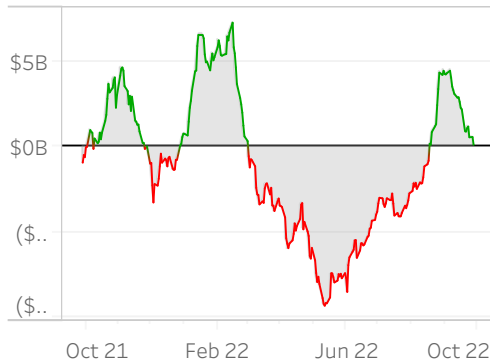
Consumer Staples



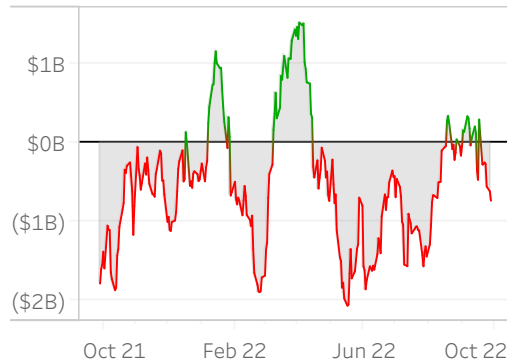
Energy



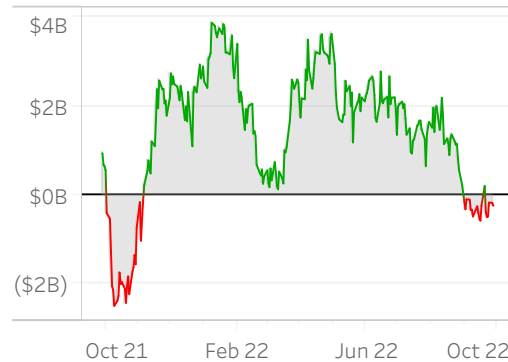
Financials



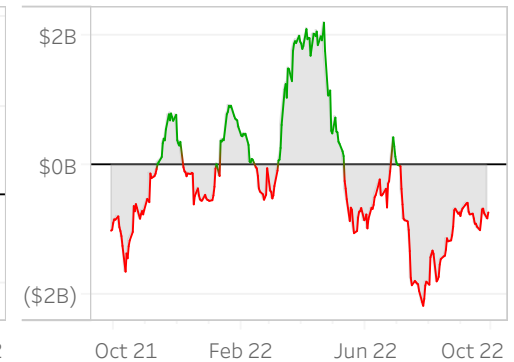
Industrial



Health Care



Materials



Real Estate



Technology



Utilities

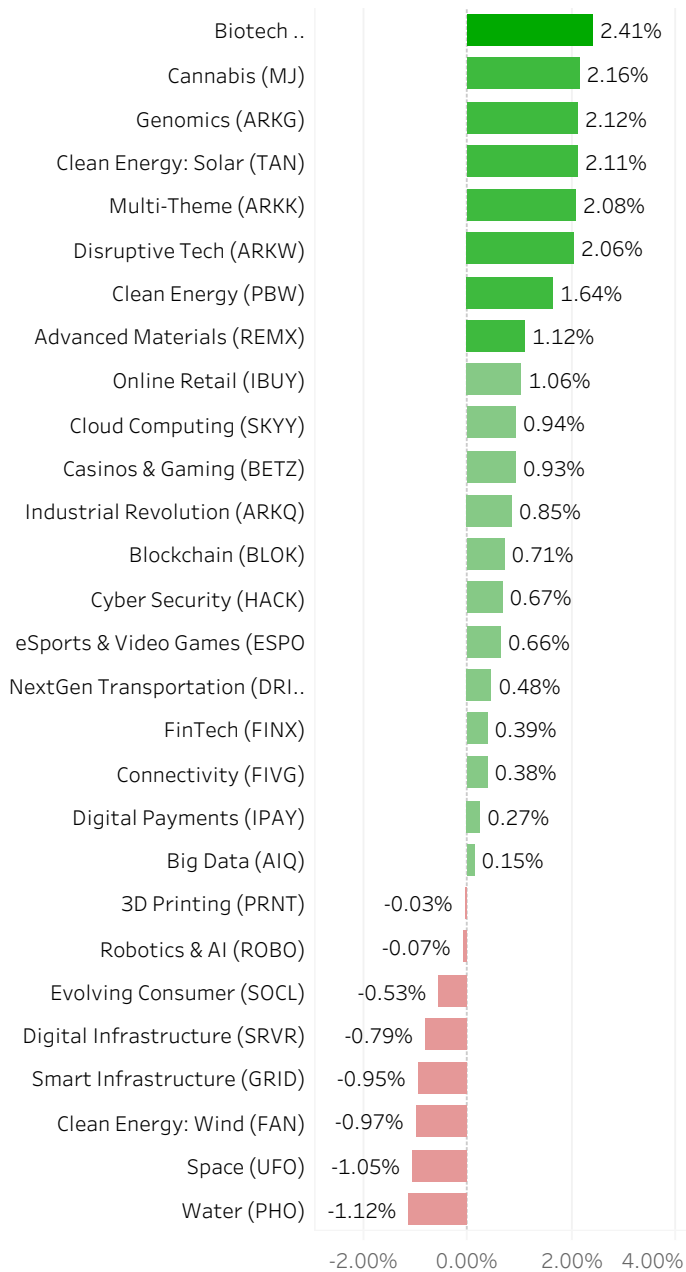


Multi-Sector

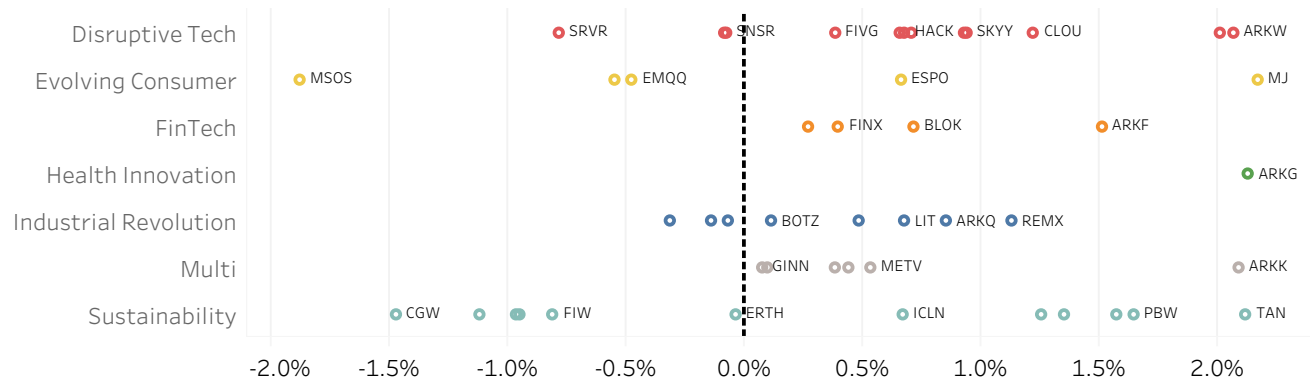


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance (%)
SBIO	ALPS Medical Breakthroughs ETF	2.41%
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	2.29%
MJ	ETFMG Alternative Harvest ETF	2.16%
ARKG	ARK Genomic Revolution ETF	2.12%
TAN	Invesco Solar ETF	2.11%
BITQ	Bitwise Crypto Industry Innovators ETF	2.09%
ARKK	ARK Innovation ETF	2.08%
GNOM	Global X Genomics & Biotechnology ETF	2.07%
ARKW	ARK Next Generation Internet ETF	2.06%
WCLD	WisdomTree Cloud Computing Fund	2.00%

Thematic Most Overbought

Ticker	Fund	Price
BJK	VanEck Gaming ETF	38.92
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	37.41
SBIO	ALPS Medical Breakthroughs ETF	37.37
BKCH	Global X Blockchain ETF	37.03
ARKG	ARK Genomic Revolution ETF	36.97
ARKK	ARK Innovation ETF	36.88
CLOU	Global X Cloud Computing ETF	36.68
ARKW	ARK Next Generation Internet ETF	35.97
BTEC	Principal Healthcare Innovators ETF	35.89
WCLD	WisdomTree Cloud Computing Fund	35.62

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance (%)
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	-2.01%
MSOS	AdvisorShares Pure US Cannabis ETF	-1.88%
YOLO	AdvisorShares Pure Cannabis ETF	-1.80%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	-1.58%
CGW	Invesco S&P Global Water Index ETF	-1.47%
PIO	Invesco Global Water ETF	-1.34%
EBLU	Ecofin Global Water ESG Fund	-1.34%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-1.29%
PHO	Invesco Water Resources ETF	-1.12%
LEGR	First Trust Indxx Innovative Transaction & Process ETF	-1.10%

Thematic Most Oversold

Ticker	Fund	Price
YOLO	AdvisorShares Pure Cannabis ETF	18.22
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	18.56
FAN	First Trust Global Wind Energy ETF	19.10
VPN	Global X Data Center REITs & Digital Infrastructure ETF	19.36
NXTG	First Trust Indxx NextG ETF	20.67
PAWZ	ProShares Pet Care ETF	21.39
PIO	Invesco Global Water ETF	21.70
GBUY	Goldman Sachs Future Consumer Equity ETF	21.96
EBLU	Ecofin Global Water ESG Fund	22.15
CGW	Invesco S&P Global Water Index ETF	22.31

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Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$209M
SKYY	First Trust Cloud Computing ETF	\$21M
TARK	AXS 2X Innovation ETF	\$13M
EVX	VanEck Environmental Services ETF	\$4M
IDRV	iShares Self-driving EV & Tech ETF	\$4M
CNRG	SPDR S&P Kensho Clean Power ETF	\$4M
XITK	SPDR FactSet Innovative Technology ETF	\$3M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$2M
GXTG	Global X Thematic Growth ETF	\$1M
BITQ	Bitwise Crypto Industry Innovators ETF	\$1M

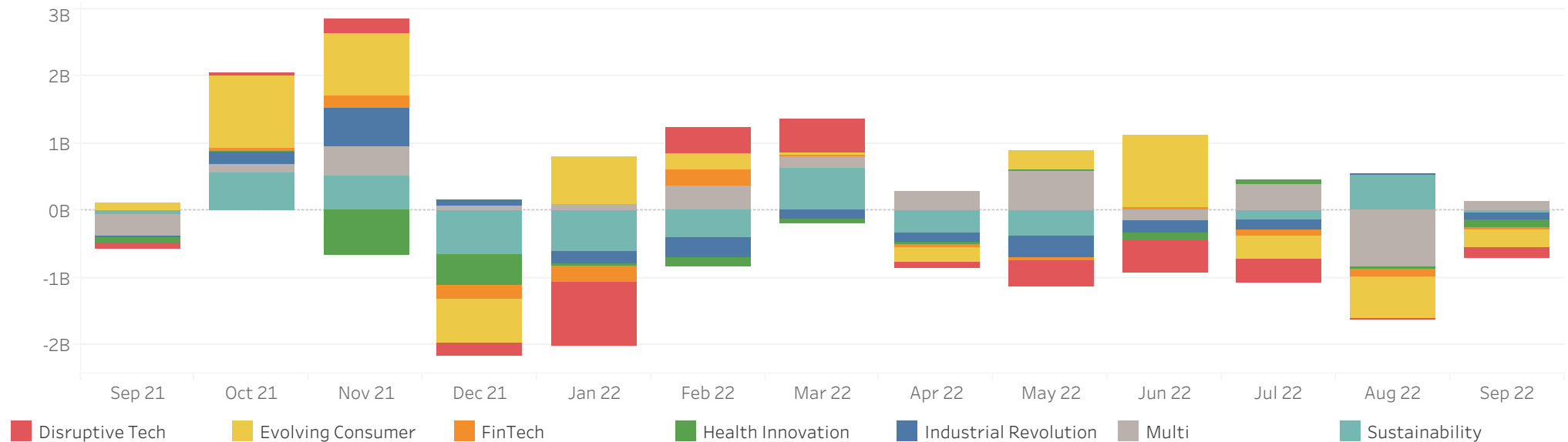
Thematic 1 Week Flow Laggards

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	(\$142M)
TAN	Invesco Solar ETF	(\$87M)
PBW	Invesco WilderHill Clean Energy ETF	(\$51M)
ARKG	ARK Genomic Revolution ETF	(\$46M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$24M)
ARKW	ARK Next Generation Internet ETF	(\$19M)
LIT	Global X Lithium & Battery Tech ETF	(\$17M)
ARKF	ARK Fintech Innovation ETF	(\$15M)
REMX	VanEck Rare Earth/Strategic Metals ETF	(\$13M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$12M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$16B	(\$6M)	(\$563M)	(\$1,409M)	(\$1,563M)
Evolving Consumer	47	\$9B	(\$139M)	(\$1,138M)	(\$75M)	\$2,376M
FinTech	24	\$3B	(\$21M)	(\$224M)	(\$303M)	(\$308M)
Health Innovation	19	\$3B	(\$42M)	(\$119M)	(\$208M)	(\$1,637M)
Industrial Revolution	32	\$11B	(\$34M)	(\$253M)	(\$892M)	(\$712M)
Multi	41	\$13B	\$6M	(\$511M)	\$496M	\$1,398M
Sustainability	41	\$18B	(\$114M)	\$330M	(\$370M)	(\$368M)
Grand Total	239	\$73B	(\$350M)	(\$2,479M)	(\$2,762M)	(\$814M)

Thematic Monthly Flows

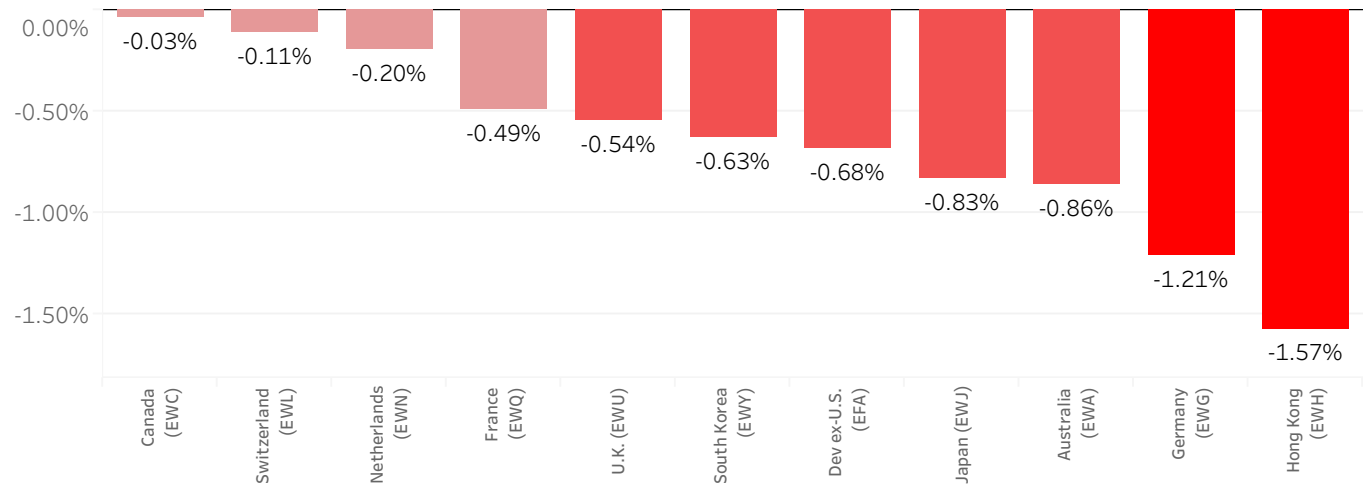


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

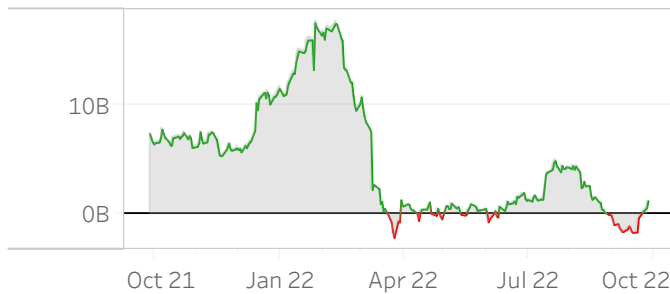
Developed ex-U.S. (EFA)



Developed ex-U.S. 1-Day Performance Top 10 Countries



Developed ex-U.S. 30-Day Rolling Flows



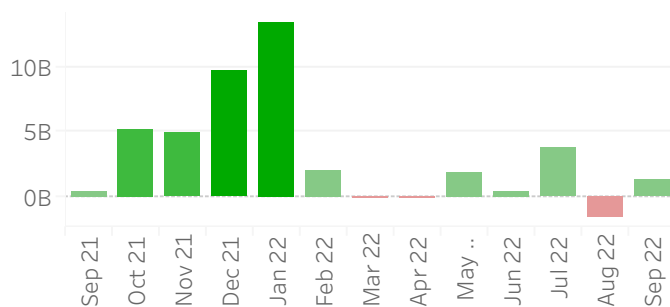
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
NORW	Global X MSCI Norway ETF	1.31%
IVAL	Alpha Architect International Quantitative Value ETF	0.55%
CIL	VictoryShares International Volatility Wtd ETF	0.43%
IHDG	WisdomTree International Hedged Quality Dividend Growth ..	0.39%
IDHQ	Invesco S&P International Developed High Quality ETF	0.25%
GREK	Global X MSCI Greece ETF	0.24%
ICOW	Pacer Developed Markets International Cash Cows 100 ETF	0.17%
ISDX	Invesco RAFI Strategic Developed ex-US ETF	0.13%
IQDG	WisdomTree International Quality Dividend Growth Fund	0.07%
ISRA	VanEck Israel ETF	0.05%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
PTIN	Pacer Trendpilot International ETF	47.38
DFJ	WisdomTree Japan SmallCap Dividend Fund	31.16
SCJ	iShares MSCI Japan Small-Cap ETF	30.64
EWI	iShares MSCI Italy ETF	30.16
EWJV	iShares MSCI Japan Value ETF	29.75
HEWJ	iShares Currency Hedged MSCI Japan ETF	29.70
CIL	VictoryShares International Volatility Wtd ETF	29.67
DXJ	WisdomTree Japan Hedged Equity Fund	28.96
HEDJ	WisdomTree Europe Hedged Equity Fund	28.89
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	28.73

Developed ex-U.S. Monthly Flows



Developed ex-U.S. 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EWP	iShares MSCI Spain ETF	-1.64%
EWH	iShares MSCI Hong Kong ETF	-1.57%
FDD	First Trust Stoxx European Select Dividend Index Fund	-1.49%
ENZL	iShares MSCI New Zealand ETF	-1.44%
IEUS	iShares MSCI Europe Small-Cap ETF	-1.38%
DFE	WisdomTree Europe SmallCap Dividend Fund	-1.31%
EWI	iShares MSCI Italy ETF	-1.29%
EWG	iShares MSCI Germany ETF	-1.21%
PBDM	Invesco PureBeta FTSE Developed ex-North America ETF	-1.18%
ISVL	iShares International Developed Small Cap Value Factor E..	-1.17%

Developed ex-U.S. Most Oversold

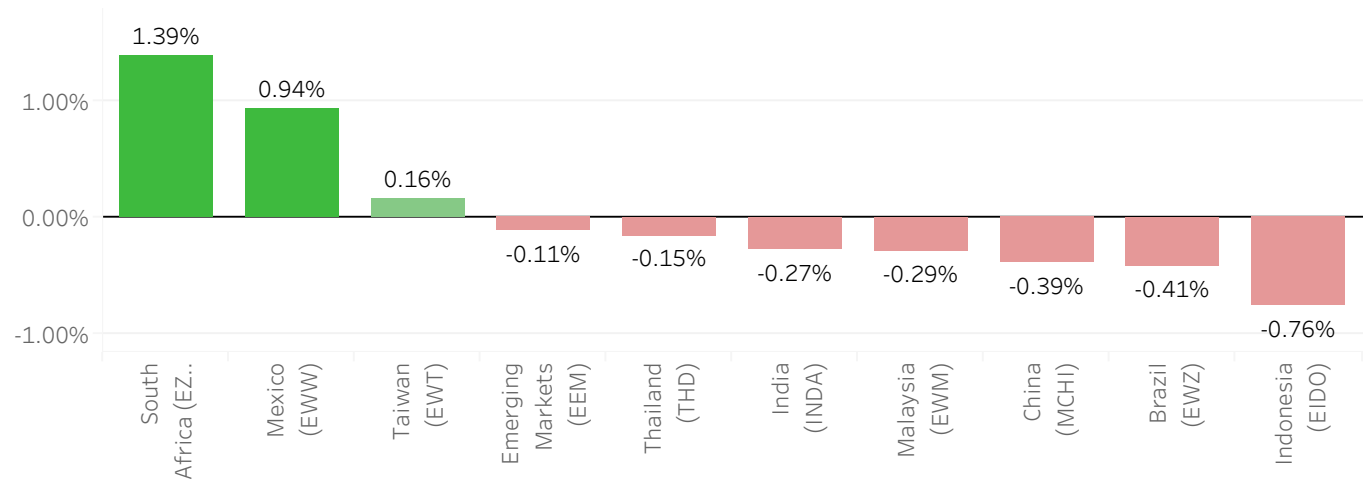
Ticker	Fund	Value
IMFL	Invesco International Developed Dynamic Multifact..	15.20
QLVD	FlexShares Developed Markets ex-US Quality Low V..	16.39
IDLV	Invesco S&P International Developed Low Volatility ..	17.36
AIVI	WisdomTree International AI Enhanced Value Fund	17.40
IDOG	ALPS International Sector Dividend Dogs ETF	17.75
IDV	iShares International Select Dividend ETF	18.23
DIM	WisdomTree International MidCap Dividend Fund	18.54
JPIN	J.P. Morgan Diversified Return International Equity ..	18.74
RODM	Hartford Multifactor Developed Markets (ex-US) ETF	18.80
DFE	WisdomTree Europe SmallCap Dividend Fund	18.88

* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

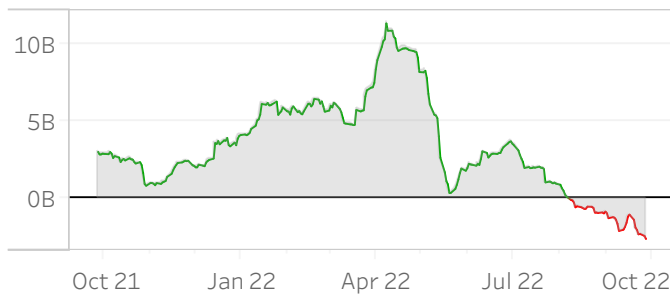
Emerging (EEM)



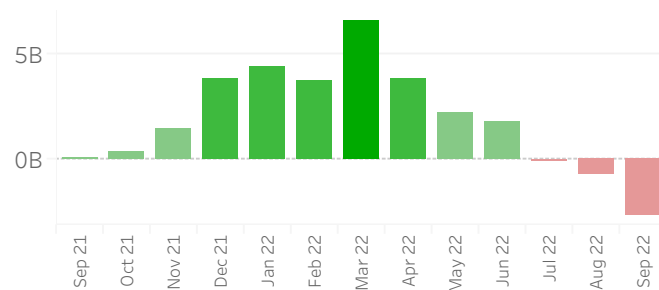
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
KSA	iShares MSCI Saudi Arabia ETF	1.63%
EZA	iShares MSCI South Africa ETF	1.39%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	1.32%
ECH	iShares MSCI Chile ETF	1.27%
CNYA	iShares MSCI China A ETF	1.04%
EWZ	iShares MSCI Mexico ETF	0.94%
KBA	KraneShares Bosera MSCI China A 50 Connect Index ETF	0.82%
RAYC	Rayliant Quantamental China Equity ETF	0.63%
EWX	SPDR S&P Emerging Markets Small Cap ETF	0.56%
EPOL	iShares MSCI Poland ETF	0.54%

Emerging Most Overbought

Ticker	Fund	Value
TUR	iShares MSCI Turkey ETF	48.75
EIDO	iShares MSCI Indonesia ETF	41.63
EWZ	iShares MSCI Brazil ETF	40.41
FLBR	Franklin FTSE Brazil ETF	40.13
EWZS	iShares MSCI Brazil Small-Cap ETF	38.79
EWZ	iShares MSCI Mexico ETF	38.70
ILF	iShares Latin America 40 ETF	38.60
FLLA	Franklin FTSE Latin America ETF	37.57
PGJ	Invesco Golden Dragon China ETF	34.12
SMIN	iShares MSCI India Small Cap ETF	33.40

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EPHE	iShares MSCI Philippines ETF	-2.92%
EWZS	iShares MSCI Brazil Small-Cap ETF	-1.39%
PGJ	Invesco Golden Dragon China ETF	-1.07%
FXI	iShares China Large-Cap ETF	-0.90%
TUR	iShares MSCI Turkey ETF	-0.78%
EIDO	iShares MSCI Indonesia ETF	-0.76%
BKF	iShares MSCI BIC ETF	-0.74%
FLBR	Franklin FTSE Brazil ETF	-0.64%
LDEM	iShares ESG MSCI EM Leaders ETF	-0.58%
FLCH	Franklin FTSE China ETF	-0.52%

Emerging Most Oversold

Ticker	Fund	Value
EDIV	SPDR S&P Emerging Markets Dividend ETF	16.40
FM	iShares MSCI Frontier and Select EM ETF	16.93
EPHE	iShares MSCI Philippines ETF	18.56
EELV	Invesco S&P Emerging Markets Low Volatility ETF	18.82
EWM	iShares MSCI Malaysia ETF	19.76
DFEV	Dimensional Emerging Markets Value ETF	20.78
DEM	WisdomTree Emerging Markets High Dividend Fund	21.20
TLTE	FlexShares Morningstar Emerging Markets Factor Ti..	21.43
DGS	WisdomTree Emerging Markets SmallCap Dividend F..	21.52
DFEM	Dimensional Emerging Markets Core Equity 2 ETF	21.52

*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Fixed Income (AGG)



Commodities (DJP)



Currencies (UUP)



■ 200 Day Moving Average
 ■ 50 Day Moving Average
 ■ Closing Price

Fixed Income Performance

Ticker	Name	1 Day	1 Month	YTD
AGG	U.S. Aggregate	-0.43%	-5.78%	-15.09%
SHY	1-3 Year Treasury Bonds	0.00%	-1.53%	-4.73%
IEF	7-10 Year Treasury Bonds	-0.68%	-7.10%	-16.90%
TLT	20+ Year Treasury Bonds	-2.63%	-10.96%	-30.94%
TIP	TIPS Bonds	-0.53%	-7.76%	-13.60%
FLOT	Floating Rate Bonds	-0.06%	0.41%	-0.02%
LQD	Investment Grade Corporate	-1.50%	-8.45%	-22.02%
HYG	High Yield Corporate	-0.21%	-5.71%	-15.56%
BKLN	Senior Loan	-0.20%	-2.69%	-5.34%
PFF	Preferred & Income Securities	0.35%	-5.99%	-17.54%
MUB	Municipal Bonds	0.04%	-3.18%	-10.63%
MBB	MBS	0.57%	-6.46%	-14.18%
EMB	Dollar Denominated EM Bonds	-1.60%	-8.71%	-25.59%
LEMB	Local Currency EM Bond	-0.42%	-5.24%	-17.76%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.03%	-12.61%	13.45%
DBE	Energy	1.72%	-14.23%	31.62%
USO	WTI Crude Oil	1.93%	-15.07%	18.51%
BNO	Brent Crude Oil	2.49%	-12.79%	29.79%
UNG	Natural Gas	-3.30%	-26.82%	87.43%
UGA	Gasoline	3.35%	-9.32%	28.71%
DBP	Precious Metals	0.10%	-5.82%	-14.45%
GLD	Gold	0.20%	-6.32%	-11.36%
SLV	Silver	-0.12%	-2.65%	-21.43%
PPLT	Global X Physical Pla..	-0.52%	-1.76%	-12.44%
PALL	abrdn Physical Palla..	1.96%	-1.70%	9.28%
DBB	Base Metals	-1.13%	-13.69%	-21.25%
CPER	Copper	-0.15%	-10.82%	-27.27%
LD	Lead	-6.48%	-18.18%	-26.15%
JJN	Nickel	-1.54%	0.17%	5.11%
JJU	Aluminum	-1.25%	-15.34%	-25.00%
JJT	Tin	1.39%	-15.15%	-44.92%
DBA	Agriculture	0.20%	-3.81%	1.11%
CORN	Corn	0.11%	-0.49%	23.68%
SOYB	Soybeans	-0.15%	-3.38%	16.88%
WEAT	Wheat	1.39%	4.43%	18.13%
CANE	Sugar	0.12%	-3.98%	-5.54%
BAL	Cotton	0.15%	-24.97%	-4.76%
NIB	Cocoa	3.46%	-5.85%	-17.55%
JO	Coffee	0.31%	-5.99%	1.98%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.03%	5.29%	19.66%
UDN	Short Dollar	-0.24%	-5.00%	-16.95%
FXE	Euro	-0.12%	-3.72%	-16.23%
FXB	British Pound Sterling	0.20%	-8.63%	-20.77%
FXF	Swiss Franc	0.09%	-2.67%	-8.85%
FXJ	Japanese Yen	-0.09%	-5.10%	-20.79%
FXC	Canadian Dollar	0.05%	-4.96%	-8.02%
FXA	Australian Dollar	-0.31%	-6.62%	-11.66%

*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify

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